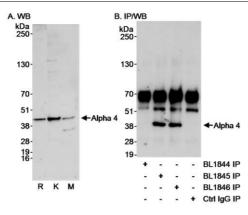
## Alpha-4 Antibody

| Rabbit Polyclo<br>Antigen Affinit |        | h   | Protein ID  | P78318          |  |                   |  |
|-----------------------------------|--------|---|-------------|-----------------|--|-------------------|--|
| Catalog No. A300–471A             |        |   | GenelD      | 3476            |  |                   |  |
| Lot No.                           | A300-4 |   | Genera      |                 |  | LABORATORIES, INC |  |
| APPLICATIONS                      |        | WB, IP  |             |                 |  |                   |  |
| SPECIES REACTIVITY                |        | Human, Mouse  |             |                 |  |                   |  |
| PRESUMED REACTIVITY               |        | Based on 100% sequence identity, this antibody is predicted to react with Rat   |             |                 |  |                   |  |
| AMOUNT                            |        | 100 µl  |             |                 |  |                   |  |
| CONCENTRATION                     |        | 1000 μg/ml  |             |                 |  |                   |  |
| STORAGE/SHELF LIFE                |        | 2 - 8° C / 1 year from date of receipt  |             |                 |  |                   |  |
| PHYSICAL STATE                    |        | Liquid  |             |                 |  |                   |  |
| BUFFER                            |        | Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide  |             |                 |  |                   |  |
| ISOTYPE                           |        | lgG   |             |                 |  |                   |  |
| ORIGIN                            |        | USA   |             |                 |  |                   |  |
| PRODUCTION<br>PROCEDURES          |        | Antibody was affinity purified using an epitope specific to Alpha-4 (IGBP1) immobilized on solid support.   |             |                 |  |                   |  |
|                                   |        | The epitope recognized by A300-470A maps to a region between residue 300 and the C-<br>terminus (residue 339) of human Protein Phosphatase 2A, regulatory subunit alpha-4<br>(Immunoglobulin binding protein 1) using the numbering given in SwissProt entry P78318<br>(GeneID 3476). |             |                 |  |                   |  |
|                                   |        | Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.  |             |                 |  |                   |  |
| APPLICATIONS                      |        | Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.   |             |                 |  |                   |  |
|                                   |        | Western Blot  | 1:1         | ,000 - 1:10,000 |  |                   |  |
|                                   |        | Immunoprecip  | itation 2 - | 5 µg/mg lysate  |  |                   |  |
| APPLICATION NOTES                 |        | Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020),<br>Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-20% SDS-PAGE<br>(link to IP-western blot protocol in Additional Info section below).                                |             |                 |  |                   |  |
|                                   |        | Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.  |             |                 |  |                   |  |
| ADDITIONAL INFO                   |        | https://www.bethyl.com/product/A300-471A  |             |                 |  |                   |  |
|                                   |        | Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB  |             |                 |  |                   |  |
|                                   |        |   |             |                 |  |                   |  |

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019

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## Detection of Alpha 4 by western blot and

immunoprecipitation. Samples: A. Whole cell lysate (50 µg) from Ramos (R), K-562 (K) and mouse NIH 3T3 (M) cells. B. Whole cell lysate (1 mg/IP; ¼ of IP reaction loaded/lane) from Ramos cells. Antibodies: Affinity purified rabbit anti-Alpha 4 antibody BL1846 (Cat. No. A300-471A) used at 0.4  $\mu$ g/ml (A) and 1  $\mu$ g/ml (B) for WB and at 3  $\mu$ g/mg lysate for IP. Alpha 4 was also immunoprecipitated by BL1845 (Cat. No. A300-470A), but not by BL1844, which are affinity purified antibodies to upstream epitopes on Alpha 4. Detection: Chemiluminescence with an exposure time of 30 seconds (A and B).

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